



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**31.03.1999 Bulletin 1999/13**

(51) Int. Cl.<sup>6</sup>: **B41F 33/00**

(43) Date of publication A2:  
**09.04.1997 Bulletin 1997/15**

(21) Application number: **96115810.2**

(22) Date of filing: **02.10.1996**

(84) Designated Contracting States:  
**DE GB**

(30) Priority: **05.10.1995 US 539649**

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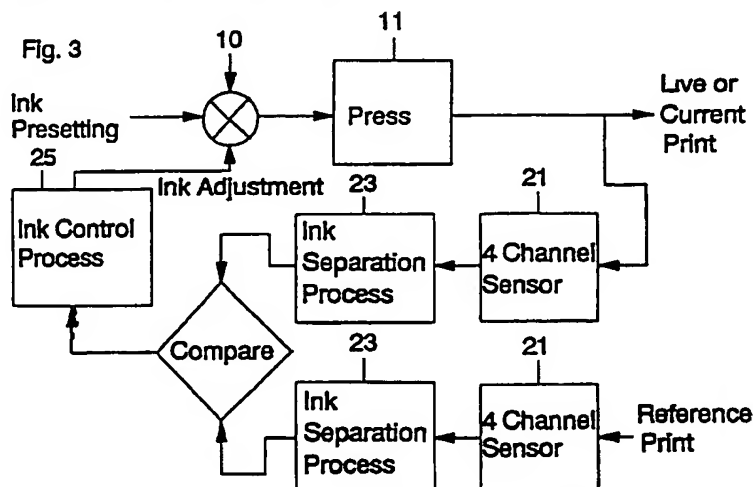
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(54) **Ink separation device for printing press ink feed control**

(57) An ink separation device for a printing press ink feed control having a device for printing a color chart having randomly distributed color patches, and recording the cyan, magenta, yellow and black ink dot sizes (CMYK) for each color patch, a device for measuring the red, green, blue and infrared reflection value (RGBI) from each color patch, and recording the RGBI value for each of the color patches, a device for defining a transfer function which maps a four-dimensional RGBI vector into a four-dimensional CMYK vector, a device for forming RGBI measurements over a reference copy, and

transferring each of the RGBI measurements into the corresponding CMYK ink dot size value, a device for forming RGBI measurements over a production copy, and transferring each of the RGBI measurements into the corresponding CMYK ink dot size value, a device for forming the dot size ratio between the production copy and the reference copy to form the ink volume ratio between the reference and production copies and a device for adjusting and ink feed rate of the press.





European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 96 11 5810

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.8)
A	EP 0 658 428 A (ROCKWELL INTERNATIONAL) 21 June 1995 * the whole document *	1	B41F33/00
A	EP 0 598 490 A (QUAD/TECH) 25 May 1994		
			TECHNICAL FIELDS SEARCHED (Int.Cl.8)
			B41F
The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>4 February 1999</b>	Examiner <b>Loncke, J</b>
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>&amp; : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 96 11 5810

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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04-02-1999

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